

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
3 June 2004 (03.06.2004)

PCT

(10) International Publication Number  
**WO 2004/046139 A1**

(51) International Patent Classification<sup>7</sup>: C07D 413/12,  
419/12, 413/14, 419/14, 307/80, A61P 3/04, 3/08

John, Wall [GB/GB]; AstraZeneca R & D Alderley, Alderley Park, Macclesfield, Cheshire SK10 4TG (GB).

(21) International Application Number:  
PCT/GB2003/004919

(74) Agent: ASTRAZENECA; Global Intellectual Property,  
P O Box 272, Mereside, Alderley Park, Macclesfield,  
Cheshire SK10 4GR (GB).

(22) International Filing Date:  
13 November 2003 (13.11.2003)

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0226930.6 19 November 2002 (19.11.2002) GB

(84) Designated States (*regional*): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

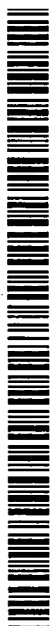
(71) Applicant (*for all designated States except MG, US*): ASTRAZENECA AB [SE/SE]; Sodertalje, S-151 85 (SE).

(71) Applicant (*for MG only*): ASTRAZENECA UK LIMITED [GB/GB]; 15 Stanhope Gate, London, Greater London W1K 1LN (GB).

Published:  
— with international search report

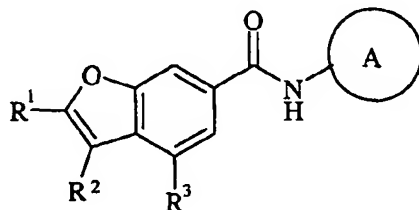
(72) Inventors; and  
(75) Inventors/Applicants (*for US only*): MCKERRECHER, Darren [GB/GB]; AstraZeneca R & D Alderley, Alderley Park, Macclesfield, Cheshire SK10 4TG (GB). RAYNER,

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



WO 2004/046139 A1

(54) Title: BENZOFURAN DERIVATES, PROCESS FOR THEIR PREPARATION AND INTERMEDIATES THEREOF



(I)

(57) Abstract: Compound of formula (I) wherein A is selected from pyridin-2-yl or thiazol-2-yl and R<sup>1</sup>, R<sup>2</sup> and R<sup>3</sup> are as described in the specification and their use in the treatment or prevention of a disease or medical conditions mediated through glucokinase.